

LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

ANNUAL REPORT

MEDICAL OFFICER OF HEALTH

1970

Lexden Grange,
127 Lexden Road,
COLCHESTER,
Essex.

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LEXDEN & WINSTREE RURAL DISTRICT COUNCIL

LEXDEN GRANGE, 127, LEXDEN ROAD, COLCHESTER

TELEPHONE: COLCHESTER 77494

14th July, 1971.

To the Chairman and Members of the
Lexden and Winstree Rural District Council

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my report for 1970.

I have to thank the members of the Council and the Council's staff for their assistance throughout the year.

I have the honour to be,
Your obedient Servant,

Sylvia Macmillan

THEORY OF THE RADIATION FIELD

BY J. D. JACKSON

Princeton University

1975

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Printed in the United States of America

Library of Congress Cataloging in Publication Data

1. Jackson, John David. Theory of the radiation field. 1975.
I. Title. II. Series. 1. Electrodynamics. I. Jackson, John David. II. Series.

QA765 .J33 1975
537.873

1975

LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

1970 - 1971

Chairman of the Council

Mr. J.E. Jackson

Vice-Chairman of the Council

Lt-Col. B.E.M. Harding, M.B.E.

Clerk to the Council

D.S. Mitchell, M.A.(Oxon)

PUBLIC HEALTH COMMITTEE

Chairman: Mrs. C. M. Cock

Vice-Chairman: Lt-Col. J.G. Round, D.L., J.P.

Mr. R.W.R. Browning

Lt.Col. R.H.A. Lucas

Mr. P.A. Evans

Mrs. A. Bevington Smith

Mr. G.F.C. Kemp

Mr. R.J. Thomas

Mrs. F.E. Polley

Maj. J.H. Charnock

Mr. K.L. Brown

Mr. C.E. Goldsmith

Mr. A.W. Garrod

Mr. D.P.T. Woodgate

Mr. H.W. Palmer

PUBLIC HEALTH DEPARTMENT STAFF

as at 31st December, 1970

Medical Officer of Health

SYLVIA MACMILLAN, M.R.C.S., L.R.C.P., M.B.B.S., D.P.H.,

also Medical Officer of Health to the Wivenhoe Urban District Council,
West Mersea Urban District Council, and Assistant County and School
Medical Officer, Essex County Council.

Chief Public Health Inspector, Engineer & Surveyor

G.A. GRAVES, F.I.Mun.E.,

Senior Public Health Inspector and Assistant Surveyor

A.G. SADLER, A.R.S.H.,

Additional Public Health Inspector

B.M. LOWEN, M.A.P.H.I.,

Technical Assistant

W. LOY.

Council Offices,
Lexden Grange,
127 Lexden Road,
COLCHESTER.

Telephone - Colchester 77494.

LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL
STATISTICS AND SOCIAL CIRCUMSTANCES OF THE AREA

GENERAL STATISTICS

Area of the District (acres)	66,584
Number of Parishes	32
Estimated population (mid year)	28,940
Estimated population (mid year)(England & Wales)	48,987,700
Rateable Value 31.3.71.	968,129
Sum represented by a new penny rate 1970/71	9,900
Number of houses in the District	11,305
Number of houses owned by the Council	1,861

SOCIAL CONDITIONS

The district occupies an area partially surrounding the Borough of Colchester : its northern boundary is the River Stour, which separates it from Suffolk. South-east of Colchester its eastern boundary is the River Colne and the Blackwater Estuary.

While the district is still mainly rural, development is taking place rapidly in the ring of villages surrounding Colchester and these serve increasingly as dormitory areas for persons employed in the Town and in London.

The majority of the working population find employment outside the district mainly in Colchester and to an increasing extent in London.

EXTRACTS FROM VITAL STATISTICS

The population in 1970 increased by 580 people since 1969.

There has been an increase of 3,020 people in the last 5 years, and 6,230 in the last 10 years. A fairly steady increase of approximately 600 a year.

The Birth Rate was the same in 1970 as in 1969, 21.1 (local adjusted rate). The national Birth Rate again fell from 16.3 in 1969 to 16.0 in 1970.

The Death Rate remained almost the same as in the previous year, 10.2 compared with 10.1. This rate has altered very little in the past 10 years.

There was an increase in the number of people who died of ischaemic heart disease (coronary disease). In 1969 it was 69 and in 1970 it was 76.

There was also an increase on the previous year of deaths from cancer of the lung from 12 to 17 (16 male and 1 female).

Of persons under 65 years of age the main causes of death were as follows:-

	<u>1970</u>	<u>1969</u>
Ischaemic heart disease	18	12
Cerebro-vascular disease	11	12
Cancer of intestine	9	3
" " lung	7	6
Motor Vehicle accidents	7	2
Other accidents	2	2
Suicide	2	3
Pneumonia	2	7

BIRTH STATISTICS

The following table gives the number of annual births in Lexden and Winstree and also the birth rates for the district compared with those for England and Wales from 1957 to 1970.

The Birth Rate is the number of live births per 1,000 mid year estimated population and the Rate referred to is adjusted for age structure to compare with the national rate.

BIRTH RATE

	Lexden and Winstree	England and Wales	Number of births in Lexden and Winstree
1957	13.7	16.1	267
1958	17.4	16.4	335
1959	16.8	16.5	328
1960	16.3	17.1	318
1961	17.0	17.4	337
1962	19.3	18.0	392
1963	21.6	18.2	438
1964	21.9	18.4	473
1965	24.5	18.0	556
1966	22.3	17.7	527
1967	23.0	17.2	553
1968	24.2	16.9	593
1969	21.1	16.3	525
1970	21.1	16.0	535

LIVE BIRTHS

Total no. of live births	535
Legitimate	512
Illegitimate	23

Live birth rate per 1,000 estimated resident population (Crude rate)	18.5
Comparability factor for the district	1.14
Live birth rate per 1,000 population (corrected)	21.1
Live birth rate per 1,000 for England and Wales	16.0
Ratio of local adjusted birth rate to national rate	1.32
Illegitimate live births (as % of total live births)	4%
England and Wales	8%

STILL BIRTHS

Total number of still births	10
Still birth rate per 1,000 total (live and still) births	18
Still birth rate per 1,000 total (live and still) births England and Wales	13
TOTAL NUMBER OF LIVE AND STILL BIRTHS	<u>545</u>

INFANT MORTALITY

Deaths of Infants under one year of age

Infant Mortality (number of deaths under 1 year of age)	5
Infant Mortality Rate (Total infant deaths per 1,000 total live births)	9
Infant Mortality Rate England and Wales	18
Illegitimate infant deaths under 1 year of age	1
Neonatal Mortality Rate (Deaths under 4 weeks old per 1,000 total live births)	6
Neonatal Mortality Rate England and Wales	12
Early Neonatal Mortality Rate (Deaths under 1 week old per 1,000 total live births)	6
Early Neonatal Mortality Rate England and Wales	11
Perinatal Mortality Rate (Stillbirths and deaths under 1 week old combined per 1,000 live and still births)	24
Perinatal Mortality Rate England and Wales	23

Maternal Mortality (including abortion) -	
Number of deaths	0
Maternal Mortality Rate (Maternal deaths per 1,000 total live and still births)	0

INFECTIOUS DISEASES

1970

Measles	139
Whooping Cough	5
Scarlet Fever	8
Infective Hepatitis	10
Pulmonary Tuberculosis	3
Food Poisoning	2
	<u>177</u>

DEATH RATE

Death rate per 1,000 estimated resident population (Crude rate)	12.4
Comparability figure	0.82
Corrected death rate (Local adjusted rate)	10.2
England and Wales	11.7

DEATHS IN THE VARIOUS AGE GROUPS

Total deaths in the area - 358

<u>Age</u>	<u>Number of Deaths</u>	
	1969	1970
Under 1 week	8	3
1 week - 4 weeks	0	0
4 weeks - 1 year	4	2
1 - 4 years	0	1
5 - 14 years	1	2
15 - 24 years	1	4
25 - 34 years	3	3
35 - 44 years	5	3
45 - 54 years	14	32
55 - 64 years	51	41
65 - 74 years	85	102
75 and over	183	165
	<u>357</u>	<u>358</u>

CAUSES OF DEATH

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Malignant Neoplasm - Buccal Cavity etc.	2	-	2
Malignant Neoplasm - Oesophagus	2	-	2
Malignant Neoplasm - Stomach	4	3	7
Malignant Neoplasm - Intestine	8	8	16
Malignant Neoplasm - Lung, Bronchus	16	1	17
Malignant Neoplasm - Breast	-	7	7
Malignant Neoplasm - Uterus	-	4	4
Malignant Neoplasm - Prostate	2	-	2
Leukaemia	1	1	2
Other Malignant Neoplasms	8	8	16
Benign & Unspecified Neoplasms	1	-	1
Diabetes Mellitus	2	-	2
Other Endocrine etc. Diseases	3	3	6
Anaemias	-	1	1
Other Diseases of Blood etc.	-	1	1
Other Diseases of Nervous System	2	-	2
Chronic Rheumatic Heart Disease	1	-	1
Hypertensive Disease	2	-	2
Ischaemic Heart Disease	50	26	76
Other forms of Heart Disease	7	7	14
Cerebrovascular Disease	24	31	55
Other Diseases of Circulatory System	9	3	12
Influenza	4	5	9
Pneumonia	8	13	21
Bronchitis and Emphysema	7	4	11

CAUSES OF DEATH (cont.)

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Asthma	1	-	1
Other Diseases of Respiratory System	-	1	1
Peptic Ulcer	4	1	5
Intestinal Obstruction and Hernia	-	1	1
Other Diseases of Digestive System	4	3	7
Nephritis and Nephrosis	1	1	2
Hyperplasia of Prostate	2	-	2
Other diseases, Genito-Urinary System	3	1	4
Diseases of Musculo-Skeletal System	1	2	3
Congenital Anomalies	1	1	2
Birth Injury, Difficult Labour etc.	2	-	2
Symptoms and Ill Defined Conditions	7	14	21
Motor Vehicle Accidents	8	1	9
All Other Accidents	4	3	7
Suicide and Self-Inflicted Injuries	<u>1</u>	<u>1</u>	<u>2</u>
	<u>202</u>	<u>156</u>	<u>358</u>

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

LABORATORY FACILITIES

The laboratories available are situated at:

The Essex County Hospital

The Public Health Laboratory, Woodbridge Road, Ipswich.

AMBULANCE

Non-emergency calls are not accepted from the General Public. To obtain an ambulance in an emergency lift the telephone receiver and ask for an ambulance. If there is a dialling system in operation, dial 999 or 100 and ask for an ambulance.

HEALTH SERVICES PROVIDED BY THE ESSEX COUNTY COUNCIL

Ante-natal and post-natal clinics

Child Health Clinics

Midwives

Nursing in the Home

Health Visiting

Mental Welfare

Home Helps

Night Sitters

Chiropody

Vaccination and Immunisation against Diptheria, Whooping Cough, Poliomyelitis, Tuberculosis, Tetanus, Measles and German Measles.

HEALTH SERVICES PROVIDED BY THE ESSEX COUNTY COUNCIL (cont.)

Provision of nursing equipment and apparatus

School Health Service

Cytology Clinic, Central Health Services Clinic, East Lodge Court, every Thursday, 9.30a.m.

Relaxation and Mothercraft Classes are also held at the Central Clinic, East Lodge Court, High Street, Colchester, on Mondays a.m., Tuesdays a.m. and p.m., Thursdays a.m. and p.m., Fridays a.m. and p.m. By appointment.

Child Health Clinics are held in the following villages:-

TIPTREE - Health Services Clinic, Church Road, Tiptree. (All Services). Tel: Tiptree 6475.

LAYER-DE-LA-HAYE - Second Thursday at the Women's Institute at 2p.m. Chiropodist - 3rd Thursday at 2p.m.

ROWHEDGE - First and Fourth Thursdays at the Pavilion, Rectory Road, at 2p.m.

ABBERTON - Second Tuesday at the Village Hall at 2p.m.

STANWAY - Each Tuesday at the Village Hall at 2p.m.

DEDHAM - Fourth Thursday at the Hewitt Hall at 2p.m.
Chiropodist - 1st and 3rd Thursdays at 2p.m.

WEST BERGHOLT - Second and Fourth Tuesdays at the Orpen Hall at 2p.m.

BOXTED - Last Wednesday at the Methodist Church Hall at 2p.m.

EIGHT ASH GREEN - Second Monday at the Village Hall at 2p.m.

FORDHAM - Third Thursday 10 to 11a.m., at the Village Hall.

GREAT TEY - Third Tuesday at the Village Hall at 2p.m.

MARKS TEY - Third Wednesday at the Village Hall at 2p.m.

COPFORD - Fourth Thursday at the Village Hall at 2p.m.

Assistance from the Home Help Service is obtained by communicating with the Area Organiser, Park Road, Colchester, Telephone Colchester 79511.

HEALTH SERVICES PROVIDED BY THE REGIONAL HOSPITAL BOARD

V.D. CLINIC

Sessions are held at the Essex County Hospital on Tuesdays, 5p.m. to 6.30p.m., and Fridays, 10a.m. to 11.30a.m.

FAMILY PLANNING

Family Planning Association. (1) Essex County Hospital, Mondays and Thursdays, 6.30 to 8.30p.m. Telephone Colchester 6257., (2) Monkwick Health Services Clinic, Tuesdays, 6p.m. to 9p.m. I.U.D. Clinics Wednesdays a.m. (by appointment), and 1st and 3rd Fridays a.m. (by appointment). Telephone Colchester 78571., (3) Tiptree Health Services Clinic, 1st and 3rd Thursdays, 6p.m. to 9p.m. Telephone Tiptree 6475.

MEALS ON WHEELS

This service is carried out by the W.R.V.S. and financially aided by the Rural District and the County Council. Table I shows that there has been a steady increase of meals served each year, 2,112 more in 1970 than in 1966.

TABLE I

<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
6291	6787	7709	7895	8383

Table II shows the number of meals each parish concerned served in the last four years. There are no comparable figures available for 1966 owing to a change of Organiser.

TABLE II

	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
Rowhedge & Fingringhoe	1497	2262	2179	2078
Tiptree	1348	1536	1861	1901
Stanway	1263	1629	1386	1375
West Bergholt	1242	818	786	895
Dedham	960	849	918	1382
Laver-de-la-Haye	495	615	765	752

The Service is able to provide meals for most cases where they are actually wanted.

A tribute should be paid to the devoted work done by the W.R.V.S. teams and their Organisers.

PRE-SCHOOL PLAY GROUPS FOR CHILDREN FROM 2½ TO 5 YEARS OLD AND CHILD MINDERS REGISTERED UNDER NURSERIES AND CHILD MINDERS REGULATION ACT, 1948.

PLAY GROUPS The number has again increased, and 2 Village Hall committees of Parish Councils have opened Play Groups. These are Aldham and Marks Tey.

	<u>No. of</u> <u>Children</u>	<u>No. of</u> <u>Sessions</u>		<u>No. of</u> <u>Children</u>	<u>No. of</u> <u>Sessions</u>
Stanway	36	4	Chappel	10	5
Tiptree	35	7	Dedham	8	5
Tiptree	20	2	Great Tey	15	5
Tiptree	10	4	Great Tey	8	4
Eight Ash Green	20	2	Aldham (Parish		
Marks Tey	30	2	Council)	12	2
Marks Tey (Parish			Laver-de-la-Haye	20	2
Council)	24	2	Copford	12	2
Fordham	20	2	Peldon	20	1
West Bergholt	20	2	Rowhedge	20	2
West Bergholt	15	5			

CHILD MINDERS There are many of these and the number is increasing.

PUBLIC HEALTH INSPECTOR'S REPORT

The Chairman and Members of the Lexden & Winstree Rural District Council

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my report of work carried out during the year ending 31st December, 1970.

HOUSING

The total number of houses built by private enterprise within the district increased during the year to 334.

The number of Council owned dwellings built during the year was 33.

The number of houses improved with the aid of Discretionary and Standard Grants is once again at a satisfactory level.

Steady progress was maintained in dealing with unfit houses and in particular with inspecting houses as and when they became vacant, as this is undoubtedly the most advantageous time to require improvement and repair.

The present housing record cards are largely based on a survey carried out in 1946/47 with amendments where re-inspections have been made, and consequently a resurvey of properties was commenced during 1967. It is hoped that the major part of this resurvey will be completed before the end of 1971.

HOUSING STATISTICS FOR 1970

1. Number of permanent dwellings in this district at 31st December, 1970.	11,305
2. Number of Council owned dwellings in the district at 31st December, 1970.	1,861
3. Inspection of dwellings during the year:-	
(i) Inspected for housing defects under Public Health Acts	291
(ii) Inspected for housing defects under Housing Acts	364
(iii) Number of dwellings found to be in need of repair or lacking essential amenities	390
4. <u>Unfit Houses made fit and Houses in which Defects were Remedied</u>	
(i) After informal action by Local Authority	77
(ii) After formal notice under the Public Health Acts	Nil
(iii) After formal notice under the Housing Acts	3
5. Number of houses demolished during 1970	2
Number of houses closed during 1970	4
6. Number of houses erected by private enterprise	334
Number of Council Houses completed	33
7. Applications approved for Discretionary Improvement Grants	12
Applications approved for Standard Improvement Grants	54

PROGRESS IN SLUM CLEARANCE DURING 1970

	Total No. Cat.5 houses 1.1.70	Propert- ties down graded to Cat. 5 in 1970	Houses demo- lished in 1970	Houses made fit in 1970	Total Cat.5 houses 31.12. 70	Houses subject to demo- lition Orders or Closing Orders	Houses subject to under- taking	Listed Cat.5 houses still to be dealt with	Listed Cat.5 houses still occupied
Abberton	2	Nil	Nil	Nil	2	Nil	1	1	1
Aldham	1	Nil	Nil	Nil	1	Nil	1	Nil	Nil
Bergholt, West	14	3	Nil	Nil	17	3	5	9	3
Birch	6	Nil	Nil	Nil	6	Nil	2	4	1
Boxted	2	Nil	Nil	Nil	2	2	Nil	Nil	Nil
Chappel	2	Nil	Nil	1	1	Nil	Nil	1	1
Colne, Wakes	12	Nil	Nil	Nil	12	3	5	4	2
Copford	4	Nil	Nil	Nil	4	2	1	1	1
Dedham	20	Nil	Nil	Nil	20	11	1	8	3
Donyland, East	4	Nil	Nil	Nil	4	2	Nil	2	2
Eight Ash Green	3	2	Nil	Nil	5	2	Nil	3	2
Fingringhoe	2	Nil	Nil	1	1	Nil	Nil	1	1
Fordham	4	Nil	Nil	Nil	4	3	Nil	1	Nil
Horkesley, Gt.	2	Nil	Nil	Nil	2	1	1	Nil	Nil
Horkesley, Lt.	2	1	Nil	Nil	3	Nil	1	2	Nil
Langenhoe	2	Nil	Nil	Nil	2	Nil	Nil	2	2
Langham	6	Nil	Nil	1	5	2	1	2	2
Laver Breton	4	Nil	Nil	Nil	4	2	2	Nil	Nil
Laver-de-la-Haye	7	Nil	Nil	Nil	7	1	2	4	4
Laver Marney	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Mersea, East	1	Nil	Nil	Nil	1	Nil	Nil	1	1
Messing cum Inworth	8	Nil	Nil	Nil	8	3	2	3	1
Mount Bures	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Peldon	2	Nil	Nil	Nil	2	Nil	Nil	2	2
Salcott & Virley	4	Nil	Nil	Nil	4	Nil	Nil	4	1
Stanway	18	Nil	2	1	15	3	4	8	4
Tey, Great	4	Nil	Nil	2	2	Nil	2	Nil	Nil
Tey, Marks	9	Nil	Nil	Nil	9	4	Nil	5	2
Tiptree	3	Nil	Nil	Nil	3	Nil	Nil	3	2
Wigborough									
Great & Little	4	Nil	Nil	Nil	4	2	1	1	1
Wormingford	3	Nil	Nil	Nil	3	Nil	3	Nil	Nil
	155	6	2	6	153	46	35	72	38

WATER

The Colchester and District Water Board are responsible for the supply and distribution of water throughout the District except in the parish of Dedham, which is supplied by the Tendring Hundred Waterworks Company Limited. The sampling of untreated water from the various sources of supply is carried out by the Water Board who have supplied copies of a typical analysis for inclusion in this report. Bacteriological samples of the treated mains water are submitted for examination by this Department from time to time.

All the samples of mains water sent for bacteriological examination were found to be satisfactory.

Mains water is available in all parishes in the District and 97% of the population are supplied with mains water.

MOUNT BURES AND DISTRICT WATER SUPPLY

CHEMICAL RESULTS IN PARTS PER MILLION

<u>Appearance</u>	Clear and Bright.	<u>Turbidity</u>	Nil
<u>Colour</u>	Nil	<u>Odour</u>	Nil
<u>pH</u>	7.2	<u>Free Carbon Dioxide</u>	40
<u>Electric Conductivity</u>	870	<u>Dissolved Solids dried at</u>	
<u>Chlorine present as Chloride</u>	132	<u>180° C.</u>	640
<u>Hardness</u>	Total 320 Carbonate 310	<u>Non-carbonate</u>	10
<u>Nitrate Nitrogen</u>	0.1	<u>Alkalinity as Calcium Carbonate</u>	310
<u>Nitrite Nitrogen</u>	Absent	<u>Ammoniacal Nitrogen</u>	0.53
<u>Oxygen Absorbed</u>	0.30	<u>Albuminoid Nitrogen</u>	0.00
<u>Residual Chlorine</u>	Absent	<u>Fluoride</u>	0.8
<u>Metals</u>	Iron - 0.08		
	Zinc, Copper, Lead - Absent		
	Manganese - 0.03		
Anionic Synthetic Detergent as Manoxol O.T: less than 0.2			

BACTERIOLOGICAL RESULTS

	<u>1 day at</u> <u>37° C</u>	<u>2 days at</u> <u>37° C</u>	<u>3 days at</u> <u>20-22° C</u>
Number of colonies developing on Agar	- per ml	- per ml	- per ml
	<u>Present in</u>	<u>Absent from</u>	<u>Probable No.</u>
Presumptive Coliform reaction	- ml	- ml	- per 100 ml
Bact. Coli.. (Type 1)	- ml	- ml	- per 100 ml
Cl. Welchii reaction	- ml	- ml	

This sample is clear and bright in appearance, neutral in reaction and is free from metals apart from very minute traces. The water is hard in character, but its hardness and its content of mineral and saline constituents in solution are not considered excessive. It conforms to the highest standard of organic quality.

ABBERTON AND DISTRICT WATER SUPPLY
CHEMICAL RESULTS IN PARTS PER MILLION

<u>Appearance</u>	Bright with a few particles.	<u>Turbidity</u>	Less than 1
<u>Colour</u>	Nil	<u>Odour</u>	Nil
<u>pH</u>	7.9	<u>Free Carbon Dioxide</u>	8
<u>Chlorine present as Chloride</u>	670	<u>Dissolved Solids dried at 180°C</u>	1600
<u>Hardness: Total</u>	90	<u>Alkalinity as Calcium Carbonate</u>	350
	Carbonate	<u>Non-carbonate</u>	0
<u>Nitrate Nitrogen</u>	0.2	<u>Electric Conductivity</u>	2400
<u>Ammoniacal Nitrogen</u>	1.0	<u>Nitrite Nitrogen</u>	Absent
<u>Albuminoid Nitrogen</u>	0.05	<u>Oxygen Absorbed</u>	0.60
<u>Metals</u>	Iron, Zinc, Copper, Lead:		Absent
<u>Anionic Synthetic Detergent as</u>		<u>Residual Chlorine</u>	Absent
<u>Manoxol O.T:</u>	Not detected, less than 0.2	<u>Fluoride</u>	4.9

BACTERIOLOGICAL RESULTS

	<u>1 day at</u> <u>37° C</u>	<u>2 days at</u> <u>37° C</u>	<u>3 days at</u> <u>20-22° C</u>
Number of colonies developing on Agar	- per ml	- per ml	- per ml
	<u>Present in</u>	<u>Absent from</u>	<u>Probable No.</u>
Presumptive Coliform reaction	- ml	- ml	- per 100 ml
Bact. Coli. (Type 1)	- ml	- ml	- per 100 ml
Cl. Welchii reaction	- ml	- ml	

This sample is practically clear and bright in appearance, has a reaction on the alkaline side of neutrality and is free from metals. The water is fairly soft in character; it shows a high content of mineral and saline constituents, including mainly sodium chloride. The water is of a high standard of organic quality.

DETAILS OF HOUSES AND CIVILIAN POPULATION

SUPPLIED WITH MAINS WATER

	Est. Civilian Popn.	No. of houses	Direct to house		From Standpipes			
			No. of houses	Est. Popn.	% Popn.	No. of houses	Est. Popn.	% Popn.
Abberton	346	149	146	336	97.1	2	6	1.7
Aldham	451	200	175	434	96.2	2	6	1.3
Bergholt, West	1,955	823	782	1,841	94.1	37	94	4.7
Birch	701	271	258	662	94.4	11	36	5.1
Boxted	1,123	454	415	1,081	96.2	7	20	1.7
Chappel	398	153	136	355	89.2	14	40	10.0
Colne, Wakes	399	153	120	327	81.9	21	68	17.0
Copford	955	349	333	920	96.3	5	15	1.6
Dedham	1,644	663	586	1,506	91.7	40	104	6.3
Donyland, East	1,558	621	600	1,521	97.6	6	15	0.9
Eight Ash Green	1,190	443	409	1,101	92.5	29	83	6.9
Fingringhoe	671	241	235	658	98.0	1	4	0.5
Fordham	655	274	261	623	95.1	8	28	4.2
Horkesley, Great	1,161	431	396	1,098	94.5	15	52	4.4
Horkesley, Little	266	78	63	239	89.8	1	5	1.8
Langenhoe	200	74	69	194	97.0	2	7	3.5
Langham	833	323	285	807	96.8	1	3	0.3
Layer Breton	234	85	70	211	90.1	5	18	7.7
Layer-de-la-Haye	954	360	337	904	94.7	16	40	4.2
Layer Marney	205	72	69	201	98.0	1	3	1.5
Mersea, East	295	101	89	280	94.8	3	9	3.1
Messing-cum-Inworth	341	124	119	330	96.7	2	6	1.6
Mount Bures	171	69	67	167	97.7	-	-	-
Peldon	438	161	151	417	96.7	7	17	3.8
Salcott	154	69	57	148	96.1	10	30	19.4
Stanway	4,058	1,491	1,460	3,942	97.1	16	41	1.0
Tey, Great	609	233	221	567	93.1	12	38	6.2
Tey, Marks	1,222	483	415	1,085	88.7	36	105	8.5
Tiptree	5,251	2,090	2,037	4,838	92.1	15	37	0.7
Virley	45	14	13	43	95.5	1	3	6.7
Wigborough, Gt & Lt	206	80	71	180	88.2	6	19	9.2
Wormingford	311	113	99	265	85.2	11	33	10.6
	29,010	11,305	10,507	27,251	93.9	343	985	3.4

SEWERAGE

The villages of Tiptree, Stanway, West Bergholt, Rowhedge, Copford, Marks Tey, Eight Ash Green, Aldham, Fordham, Great Tey, Chappel, Wakes Colne, Wakes Colne Green, Great Horkesley, Messing, Fingringhoe, Abberton, Langenhoe, Peldon, Birch, Layer Breton, Salcott, Wormingford and Layer-de-la-Haye are provided with sewers.

Sewage disposal works are provided at Tiptree, Dedham, West Bergholt, Fordham, Copford, Great Tey, Wakes Colne, Fingringhoe, Birch, Salcott, Wormingford and Layer-de-la-Haye.

The sewage from the greater part of Stanway and Rowhedge is discharged into the Colchester Corporation Sewerage System.

Substantial progress was made during the year in the provision of sewers. Work was completed on the Wormingford and Layer-de-la-Haye schemes.

The schemes to serve Dedham Heath and Lamb Corner, Dedham, Langham, Boxted, Easthorpe, Great and Little Wigborough and the Blackheath area are at various stages of preparation.

The response from property owners in connecting their properties to the sewer when it becomes available continues to be quite good, and a number of long standing drainage nuisances have been abated by provision of drainage to the sewer.

An increasing volume of work arises in the department in advising on and approving and testing alterations to existing drainage systems, and this has to be given priority over other work.

Below are given details of the estimated percentage of properties connected to the sewer on our more recent schemes:-

Scheme	Est. No. of houses on line of sewer	Est. No. of houses connected	Percentage of houses connected
Abberton, Peldon, Langenhoe, Fingringhoe	522	443	84.8%
Birch and Layer Breton	197	186	94.4%
Chappel and Wakes Colne	176	120	69.3%
Copford and Marks Tey	738	583	79.0%
Eight Ash Green	796	664	83.4%
Gt. Horkesley	278	210	79.1%
Messing	155	87	56.1%
Salcott & Virley	64	39	60.9%
Great Tey	139	114	82%
Wormingford		35	
Layer-de-la-Haye		24	

ATMOSPHERIC POLLUTION

In conjunction with the Essex County Council a smoke/sulphur dioxide measuring instrument is operating at Little Horkesley reservoir. This forms a part of the National Survey of Air Pollution in Great Britain organised by the Air Pollution Division of the Ministry of Technology.

The instrument draws in a measured quantity of air from which information regarding the smoke and sulphur dioxide in the atmosphere is deduced.

This information is forwarded monthly to the Ministry of Technology.

POULTRY INSPECTION

There is one poultry processing premises within the district which processes hens.

From February 1967 all poultry at these premises has been inspected using the "spotter" system by which suspect birds are put out by an experienced operator for inspection by the Public Health Inspector who also does a routine check of the other birds.

Number of visits to premises	102
Total number of birds processed during the year	33,848
Total number of birds condemned during the year	885
Percentage of birds rejected as unfit for human consumption	2.6%

MEAT INSPECTION

There are two licensed slaughterhouses in the district, one at Dedham and the other at Boxted, which serve the requirements of the respective owners. Both comply with the slaughterhouse construction regulations.

All animals slaughtered in the district have been inspected by a qualified Inspector for the past twenty years. The Meat Inspection Regulations, 1963, which came into operation on 1st October, 1963, require that all meat at slaughterhouses must be inspected before it is removed from the slaughterhouse. These regulations also prescribe the method of inspection to be carried out and require that all meat inspected and passed fit for human consumption must be marked.

These requirements have been fully carried out despite the fact that a number of animals are regularly slaughtered on Saturday afternoon and evening each week.

Any unsound or diseased meat is either buried or removed from the premises under supervision for disposal at the local fat extraction plant.

MEAT AND OTHER FOODS

CARCASES AND OFFAL INSPECTED AND CONDEMNED
IN WHOLE OR IN PART DURING 1970

	Cattle excluding cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	317	-	2	528	780	-
Number inspected	317	-	2	528	780	-
<u>All diseases except Tuberculosis and cystercerci</u>						
Whole carcasses condemned	-	-	-	-	-	-
Carcasses of which some part or organ was condemned.	23	-	-	4	33	-
Percentage of the number inspected affected with disease other than tuberculosis and cystercerci	7.3%	-	-	0.7%	4%	-
<u>Tuberculosis only</u>						
Whole carcasses condemned	-	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	-	4	-
Percentage of the number inspected affected with tuberculosis	-	-	-	-	0.5%	-
<u>Cysticercosis</u>						
Carcasses of which some part or organ was condemned	-	-	-	-	-	-
Carcasses submitted to treatment by refrig- eration	-	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-	-

FOOD PREMISES

The majority of food premises are owner occupied, and the owner is directly responsible for the running of the business. Standards of construction and hygiene are generally satisfactory, and during the year frequent inspections have been made to all types of food premises.

Details are given below of the number of food premises in the district, subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them:-

Trade	Number of Premises	Fitted to comply with Reg.16	Reg. 19 applies	Fitted to comply with Reg.19
General	87	84	76	76
Baker and Confectioners	9	9	9	9
Catering Premises	115	113	115	115
Butchers	10	10	10	10
Fishmongers	2	2	2	2
Brewers	1	1	1	1

Regulation 16 - Provision of wash hand basins.

Regulation 19 - Provision of sinks, or other facilities, for washing of food and equipment.

FOOD CONDEMNED

	<u>cwts.</u>	<u>lbs.</u>
Meat at slaughterhouses	3	26
Meat at other premises	4	61
Dried Fruit		7
Dessicated Coconut		10
TOTAL	7	104
Canned meats	2,004 tins	
Other canned foods	22,049 tins	
Frozen Foods	654 packets	

REFUSE COLLECTION

Five vehicles and fourteen men are employed on this service. Consideration was given during the year to the possibility of introducing a work study based incentive bonus scheme for refuse collection staff, and also to the possibility of purchasing a further large capacity continuous loading refuse vehicle.

A pilot scheme using the back-door sack system of collection was operated for a time in an area in Tiptree. This provided some useful information but no further action was taken on it.

RODENT CONTROL

The Council employs one full time rodent operator, who undertakes treatment of dwelling houses upon request or when found to be infested with rats or mice following routine inspection.

Business premises are treated, but a charge is made for labour and materials. The Council also undertakes the treatment of agricultural premises on a yearly contract basis.

Summary of Visits during 1970

	<u>No. of properties treated</u>	<u>No. of Visits</u>
Agricultural Premises	55	309
Other premises including domestic premises	413	644

In addition 156 wasp's nests were destroyed by the rodent operator during the year at premises within the district.

SUMMARY OF INSPECTIONS MADE DURING 1970

Premises inspected under Public Health Acts	873
Reinspections under Public Health Acts	80
Premises inspected under Housing Acts	364
Reinspections under Housing Acts	255
Slaughterhouse inspections	156
Food and Drugs Act	120
Factories and Workshops	3
Appointments and interviews with property owners	113
Water Samples taken for analysis	40
Rodent Control	1178
Moveable Dwellings	20
Refuse Collection	190
Petroleum installations inspected	37
Clean Air Act	58
Offices, Shops and Railway Premises Act	38
Diseases of Animals Act	2
Animal Boarding Establishments Act	9
Poultry Processing Establishments	110
Civic Amenities Act	38
Noise Abatement Act	4
Road Numbering	39
Agriculture (Safety, Health & Welfare Provisions) Act	76

FACTORIES ACT, 1961

Inspections have been made at the various factories and defects observed have been remedied. The following table gives details of work done.

Inspections for Purposes of Provisions as to Health (including inspections made by Public Health Inspectors)

Premises	No. on Register at 31.12.70	Number of		Occupiers prosecuted
		Inspections	Written notices	
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by the Local Authority	18	6	NIL	NIL
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	88	59	NIL	NIL
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	2	23	NIL	NIL
TOTALS	108	88	NIL	NIL

Cases in which defects were found

Particulars	No. of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspec.	by H.M. Inspec.	
Want of cleanliness	NIL	NIL	NIL	NIL	NIL
Overcrowding	NIL	NIL	NIL	NIL	NIL
Unreasonable temperature	NIL	NIL	NIL	NIL	NIL
Inadequate ventilation	NIL	NIL	NIL	NIL	NIL

Cases in which defects were found (cont.)

Particulars	No. of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Removed	Referred to H.M. Inspec.	Referred by H.M. Inspec.	
Ineffective drainage of floors	NIL	NIL	NIL	NIL	NIL
<u>Sanitary Conveniences</u>					
a) insufficient	1	1	NIL	NIL	NIL
b) unsuitable or defective	1	1	NIL	NIL	NIL
c) not separate for sexes	NIL	NIL	NIL	NIL	NIL
Other offences against the Act (not including offences relating to outwork)	3	3	NIL	NIL	NIL
TOTALS	5	5	NIL	NIL	NIL

OUTWORK

Nature of Work	Section 133			Section 134		
	No. of out-workers in Aug. list	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in un-whole-some premises	Notices served	Prosecutions
<u>Wearing Apparel</u>						
Making etc.	8	NIL	NIL	NIL	NIL	NIL
Furniture and upholstery	NIL	NIL	NIL	NIL	NIL	NIL
TOTALS	8	NIL	NIL	NIL	NIL	NIL

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

All new premises likely to come under the Act are visited, and re-visits are now being made to existing premises.

It has not yet been found necessary to instigate any legal action to ensure compliance of the regulations - this has always been obtained by informal action.

Two accidents were reported during the year. A young chef took so long to light a gas oven after turning on the gas that when he did put the match to the burner the gas exploded, and he burnt his hand. The other accident occurred at a warehouse where an employee tripped over a pallet and fell, resulting in a broken finger.

<u>Class of Workplace</u>	<u>Total No. of premises regis- tered</u>	<u>No. of registered premises receiving general inspection during the year</u>	<u>No. of persons employed in registered premises</u>
Offices	17	2	94
Retail Shops	75	6	209
Wholesale Shops, Warehouses	5	1	79
Catering Establishments, Canteen	16	4	94
Fuel Storage Depots:	-	NIL	-
TOTALS	113	13	476
			Males 197
			Females 279

Number of visits of all kinds (including
general inspections) to registered premises 38

